

Gum and Wood Chemical Manufacturing: 2002

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2002 Economic Census

Manufacturing

Industry Series



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-- Not applicable for this report.

Table 1. Historical Statistics for the Industry: 2002 and Earlier Years

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry and year ¹	Com- panies ²	All estab- lish- ments ³	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expendi- tures (\$1,000)	
			Number ⁴	Payroll (\$1,000)	Number ⁴	Hours (1,000)	Wages (\$1,000)					
325191, Gum and wood chemical manufacturing	2002..	40	52	2 112	87 855	1 638	3 353	59 773	518 857	426 871	960 476	30 892
	2001..	N	N	2 364	91 468	1 804	3 774	60 709	452 687	463 248	935 468	40 240
	2000..	N	N	2 171	88 463	1 611	3 677	58 439	477 266	430 212	890 563	54 933
	1999..	N	N	2 494	96 807	1 756	4 106	57 440	484 052	351 587	860 037	40 659
	1998..	N	N	2 486	93 987	1 835	4 097	62 381	463 454	384 371	846 014	32 546
	1997..	45	62	2 261	84 253	1 703	3 775	56 457	469 629	348 290	814 676	33 575

¹Statistics presented for years ending in 2 and 7 are census data. Interim census years are derived in a representative sample of manufacturing establishments canvassed in the Annual Survey of Manufactures (ASM).

²For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

³Includes establishments with payroll at any time during the year.

⁴Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 2. **Industry Statistics for Selected States: 2002**

[Not applicable for this report]

Table 3. Detailed Statistics by Industry: 2002

[Data based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). For information on confidentiality protection, sampling error, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Item	Value
325191, Gum and wood chemical manufacturing	
Companies ¹	number.. 40
All establishments ²	number.. 52
Establishments with 1 to 19 employees	number.. 29
Establishments with 20 to 99 employees	number.. 16
Establishments with 100 employees or more	number.. 7
All employees ³	number.. 2 112
Total compensation	\$1,000.. 112 971
Annual payroll	\$1,000.. 87 855
Total fringe benefits	\$1,000.. 25 116
Production workers, average for year	number.. 1 638
Production workers on March 12	number.. 1 576
Production workers on May 12	number.. 1 678
Production workers on August 12	number.. 1 711
Production workers on November 12	number.. 1 586
Production worker hours	1,000.. 3 353
Production worker wages	\$1,000.. 59 773
Total cost of materials	\$1,000.. 426 871
Materials, parts, containers, packaging, etc., used	\$1,000.. 382 743
Resales	\$1,000.. 11 441
Purchased fuels	\$1,000.. 20 360
Purchased electricity	\$1,000.. 11 039
Contract work	\$1,000.. 1 288
Quantity of electricity purchased for heat and power	1,000 kWh.. 242 100
Quantity of electricity generated less sold for heat and power	1,000 kWh.. D
Total value of shipments	\$1,000.. 960 476
Primary products value of shipments	\$1,000.. 835 161
Secondary products value of shipments	\$1,000.. 108 219
Total miscellaneous receipts	\$1,000.. 17 096
Value of resales	\$1,000.. D
Contract receipts	\$1,000.. D
Other miscellaneous receipts	\$1,000.. D
Primary products specialization ratio	percent.. 89
Value of primary products shipments made in all industries	\$1,000.. 995 804
Value of primary products shipments made in this industry	\$1,000.. 835 161
Value of primary products shipments made in other industries	\$1,000.. 160 643
Coverage ratio	percent.. 84
Value added	\$1,000.. 518 857
Total inventories, beginning of year	\$1,000.. 142 380
Finished goods inventories	\$1,000.. 79 165
Work-in-process inventories	\$1,000.. 10 938
Materials and supplies inventories	\$1,000.. 52 277
Total inventories, end of year	\$1,000.. 121 365
Finished goods inventories	\$1,000.. 64 276
Work-in-process inventories	\$1,000.. 11 079
Materials and supplies inventories	\$1,000.. 46 010
Gross value of depreciable assets (acquisition costs) at beginning of year	\$1,000.. 688 580
Total capital expenditures (new and used)	\$1,000.. 30 892
Buildings and other structures (new and used)	\$1,000.. 6 694
Machinery and equipment (new and used)	\$1,000.. 24 198
Automobiles, trucks, etc., for highway use	\$1,000.. 564
Computers and peripheral data processing equipment	\$1,000.. 570
All other expenditures for machinery and equipment	\$1,000.. 23 064
Total retirements	\$1,000.. 17 951
Gross value of depreciable assets at end of year	\$1,000.. 701 521
Depreciation charges during year	\$1,000.. 30 323
Total rental payments	\$1,000.. 7 473
Buildings and other structures	\$1,000.. 1 957
Machinery and equipment	\$1,000.. 5 516
Total other expenses ⁴	\$1,000.. 41 446
Response coverage ratio ⁵	percent.. 97
Repair and maintenance services of buildings and/or machinery ⁴	\$1,000.. 20 657
Communications services ⁴	\$1,000.. 640
Legal services ⁴	\$1,000.. D
Accounting, auditing, and bookkeeping services ⁴	\$1,000.. D
Advertising and promotional services ⁴	\$1,000.. D
Expensed computer hardware and supplies and purchased computer services ⁴	\$1,000.. 144
Refuse removal (including hazardous waste) services ⁴	\$1,000.. 3 062
Management consulting and administrative services ⁴	\$1,000.. D
Taxes and license fees ⁴	\$1,000.. 2 118
All other expenses ⁴	\$1,000.. 13 989

¹For the census, a company is defined as a business organization consisting of one establishment or more under common ownership or control.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Based on Annual Survey of Manufactures (ASM) sample data.

⁵A response coverage ratio is derived for this item by calculating the ratio of the weighted employment (establishment data multiplied by sample weight) for those Annual Survey of Manufactures (ASM) establishments that reported to the weighted total employment for all ASM establishments classified in this industry.

Note 1: The amounts shown for other expenses reflect only those services that establishments purchase from other companies.

Note 2: The data in this table are based on the 2002 Economic Census and the 2002 Annual Survey of Manufactures (ASM). To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain sampling errors and nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 4. Industry Statistics by Employment Size: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Employment size class	E ¹	All establishments ²	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ³	Payroll (\$1,000)	Number ³	Hours (1,000)	Wages (\$1,000)				
325191, Gum and wood chemical manufacturing											
All establishments	—	52	2 112	87 855	1 638	3 353	59 773	518 857	426 871	960 476	30 892
Establishments with—											
1 to 4 employees	7	20	43	1 423	33	65	977	9 712	9 044	18 656	1 232
5 to 9 employees	6	7	b	D	D	D	D	D	D	D	D
10 to 19 employees	6	2	b	D	D	D	D	D	D	D	D
20 to 49 employees	5	9	311	10 349	249	483	6 474	42 401	26 039	69 344	3 011
50 to 99 employees	—	7	485	20 110	384	732	13 570	122 745	81 218	207 216	6 255
100 to 249 employees	—	6	890	36 345	745	1 548	26 867	280 317	249 215	536 676	12 297
250 to 499 employees	—	1	e	D	D	D	D	D	D	D	D
500 to 999 employees	—	—	—	—	—	—	—	—	—	—	—
1,000 to 2,499 employees	—	—	—	—	—	—	—	—	—	—	—
2,500 employees or more	—	—	—	—	—	—	—	—	—	—	—
Administrative records ⁴	9	23	70	2 642	55	117	1 897	18 929	13 520	32 449	2 737

¹Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. This technique was also used for a small number of other establishments whose reports were not received at the time data were tabulated. The following symbols are shown where estimated data account for 10 percent or more of the figures shown: 1–10 to 19 percent; 2–20 to 29 percent; 3–30 to 39 percent; 4–40 to 49 percent; 5–50 to 59 percent; 6–60 to 69 percent; 7–70 to 79 percent; 8–80 to 89 percent; 9–90 percent or more.

²Includes establishments with payroll at any time during the year.

³Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

⁴Some payroll and sales data for small single-establishment companies with up to 20 employees (cutoff varied by industry) were obtained from administrative records of other government agencies rather than from census report forms. These data were then used in conjunction with industry averages to estimate statistics for these small establishments. Data are also included in respective size classes shown.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 5. Industry Statistics by Primary Product Class Specialization: 2002

[Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note at end of table. For meaning of abbreviations and symbols, see introductory text]

Industry or product class code	Industry or primary product class	All establishments ¹	All employees		Production workers			Value added (\$1,000)	Total cost of materials (\$1,000)	Total value of shipments (\$1,000)	Total capital expenditures (\$1,000)
			Number ²	Payroll (\$1,000)	Number ²	Hours (1,000)	Wages (\$1,000)				
325191	Gum and wood chemical manufacturing	52	2 112	87 855	1 638	3 353	59 773	518 857	426 871	960 476	30 892
3251910	Gum and wood chemicals, including wood distillation products	52	2 112	87 855	1 638	3 353	59 773	518 857	426 871	960 476	30 892

¹Includes establishments with payroll at any time during the year.

²Number of employees figures represent average number of production workers for pay period that includes the 12th of March, May, August, and November plus other employees for payroll period that includes the 12th of March.

Note: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6a. **Products Statistics: 2002 and 1997**

[Includes quantity and value of products of this industry produced by (1) establishments classified in this industry (primary) and (2) establishments classified in other industries (secondary). Transfers of products of this industry from one establishment of a company to another establishment of the same company (interplant transfers) are also included. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Product code	Product	Number of companies with shipments of \$100,000 or more	Quantity of production for all purposes	Product shipments	
				Quantity	Value (\$1,000)
325191	Gum and wood chemical manufacturing	2002.. N 1997.. N	X X	X X	995 804 967 439
3251910	Gum and wood chemicals, including wood distillation products	2002.. N 1997.. N	X X	X X	995 804 967 439
32519101	Gum and wood chemicals, including wood distillation products	2002.. N 1997.. N	X X	X X	570 249 621 818
3251910111	Hardwood charcoal and charcoal briquets, including blends with lignite or other materials 1,000 s tons..	2002.. 10 1997.. 8	X X	S S	490 282 356 393
3251910121	Tall oil, crude mil lb..	2002.. 15 1997.. 24	X X	1 210.2 92 750.6	79 967 265 425
32519102	Other gum and wood chemicals, incl. softwood distill. prod., gum naval stores, nat. tanning, tannic acid, nat. acetic acid, methanol, softwood charcoal, veg. pitches, wood tar and tar oil, etc.	2002.. N 1997.. N	X X	X X	374 271 310 066
3251910231	Refined tall oil (containing less than 90 percent free fatty acids, including tall oil resins, other than tall oil rosin) mil lb..	2002.. 4 1997.. 9	X X	D 523.4	D 50 661
3251910241	Rosin and other tall oil derivatives, including rosin acid salts (excluding tall oil fatty acids)	2002.. 1 1997.. 3	X X	X X	D 20 338
3251910291	Other gum and wood chems, incl. gum naval stores, nat. tanning and dyeing materials, tannic acid, nat. acetic acid, methanol, softwood charcoal, veg. pitches, wood tar and tar oil, pine oil, etc.	2002.. 14 1997.. 14	X X	X X	221 323 239 067
3251910Y	Gum and wood chemicals, including wood distillation products, nsk, total	2002.. N 1997.. N	X X	X X	51 284 35 555
3251910YWW	Gum and wood chemicals, including wood distillation products, nsk, for nonadministrative-record establishments	2002.. N 1997.. N	X X	X X	19 037 16 672
3251910YWY	Gum and wood chemicals, including wood distillation products, nsk, for administrative-record establishments	2002.. N 1997.. N	X X	X X	32 247 18 883

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.

Table 6b. **Product Class Shipments for Selected States: 2002 and 1997**

[Not applicable for this report.]

Table 7. Materials Consumed by Kind: 2002 and 1997

[Includes quantity and cost of materials consumed or put into production by establishments classified only in this industry. Data based on the 2002 Economic Census. For information on confidentiality protection, nonsampling error, and explanation of terms, see note 2 at end of table. For meaning of abbreviations and symbols, see introductory text]

Material code	Material consumed	Quantity	Delivered cost (\$1,000)
325191	Gum and wood chemical manufacturing		
00900001	Total materials .....2002..	X	382 743
	.....1997..	X	311 576
32519103	Tall oil and rosin .....2002..	X	D
	.....1997..	X	D
32500001	Industrial organic and inorganic chemicals (including acids and alcohols), excluding fatty acids .....2002..	X	123 782
	.....1997..	X	47 913
32100007	Chips, slabs, edgings, shavings, sawdust, and other wood waste .....2002..	X	D
	.....1997..	X	73 214
32220017	Paper and paperboard containers (including shipping sacks and other paper packaging supplies) .....2002..	X	29 916
	.....1997..	X	23 323
33240000	Metal containers .....2002..	X	2 120
	.....1997..	X	D
00970099	All other materials and components, parts, containers, and supplies .....2002..	X	57 002
	.....1997..	X	103 818
00971000	Materials, ingredients, containers, and supplies, nsk .....2002..	X	21 355
	.....1997..	X	9 760

Note 1: For some establishments, data have been estimated from central unit values that are based on quantity-value relationships of reported data. The following symbols are used when percentage of each quantity figure estimated in this manner equals or exceeds 10 percent of published figure: p-10 to 19 percent estimated; q-20 to 29 percent estimated. If 30 percent or more is estimated, figure is replaced by S.

Note 2: The data in this table are based on the 2002 Economic Census. To maintain confidentiality, the Census Bureau suppresses data to protect the identity of any business or individual. The census results in this table contain nonsampling errors. Data users who create their own estimates using data from American FactFinder tables should cite the Census Bureau as the source of the original data only. For explanation of terms, see Appendix A. For full technical documentation, see Appendix C.